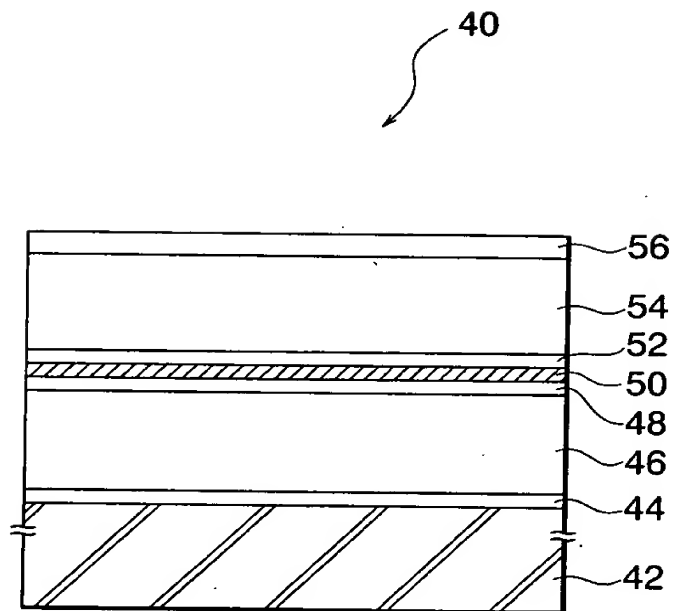


FIG. 1  
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FIG. 2

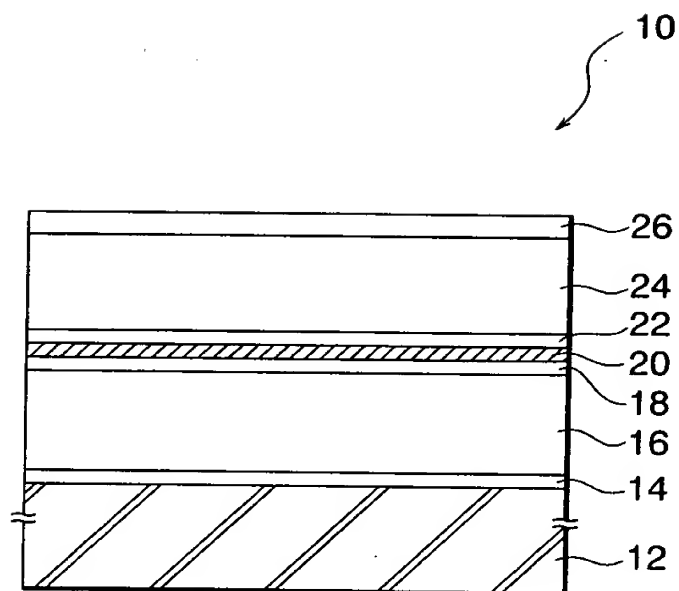


FIG. 3

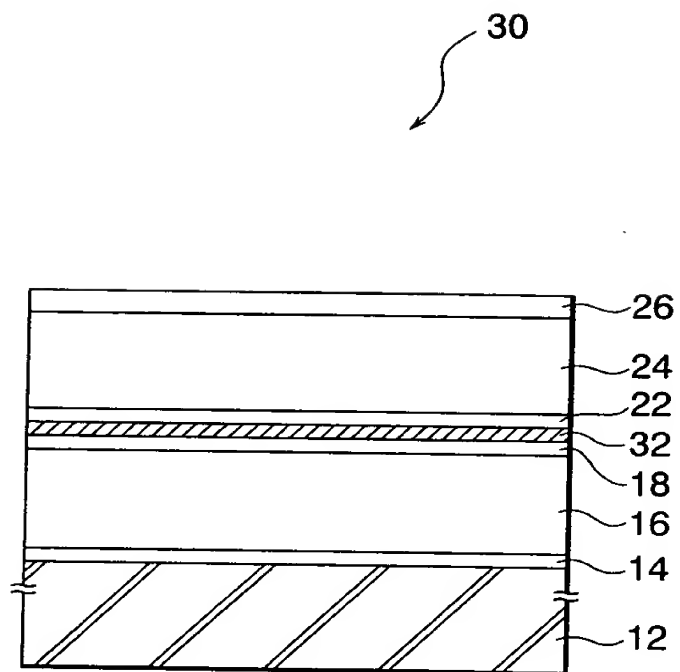
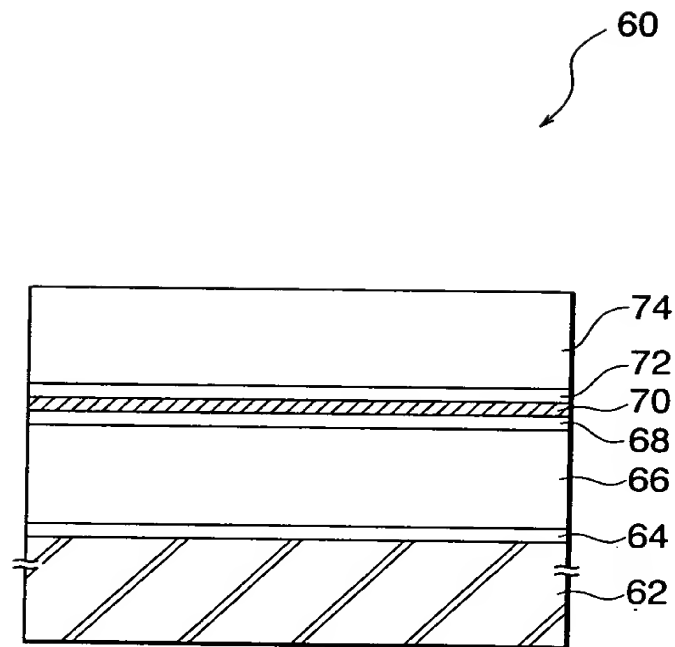


FIG. 4



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FIG. 4

FIG. 5

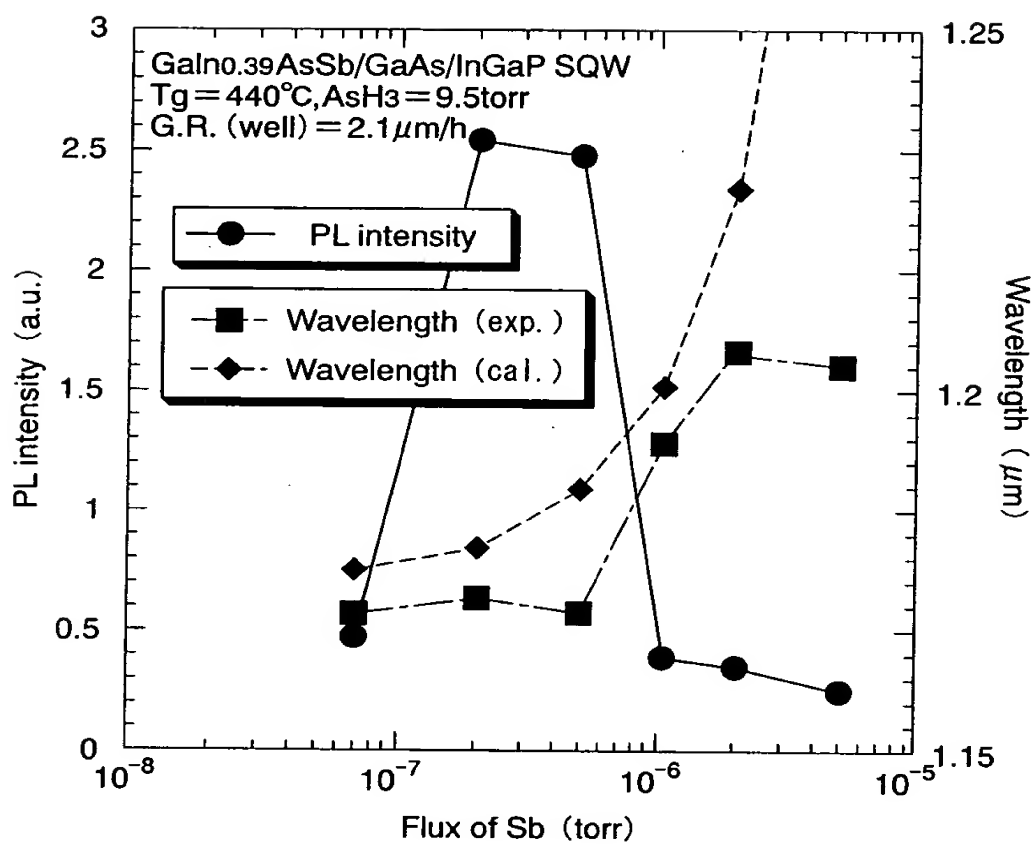


FIG. 5

FIG. 6

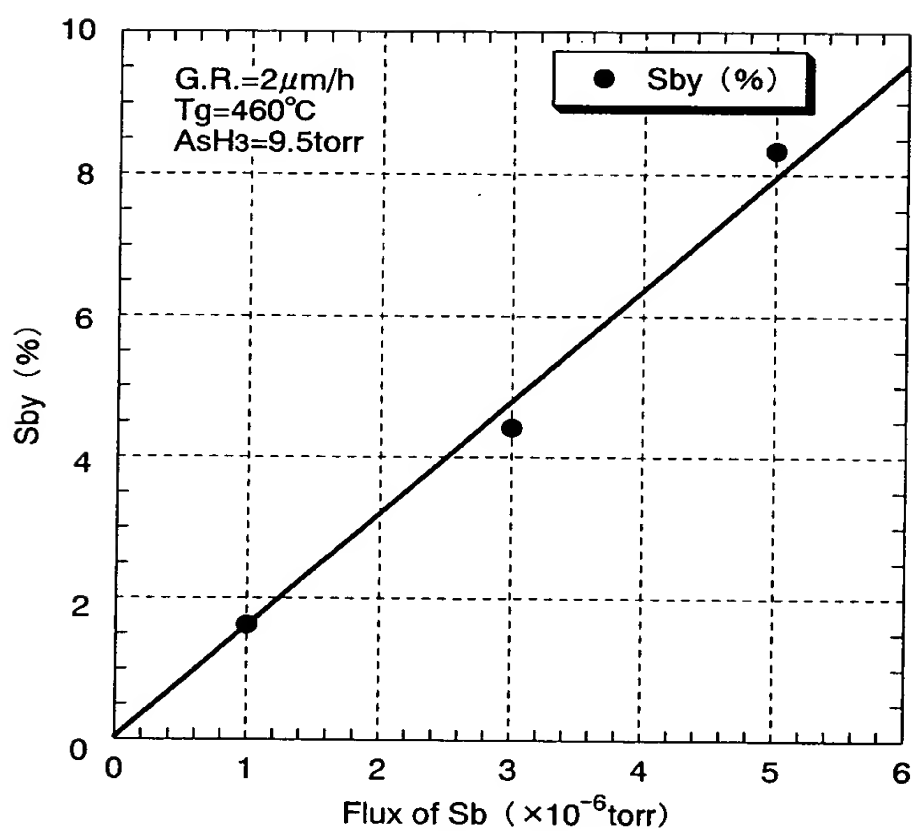


FIG. 7

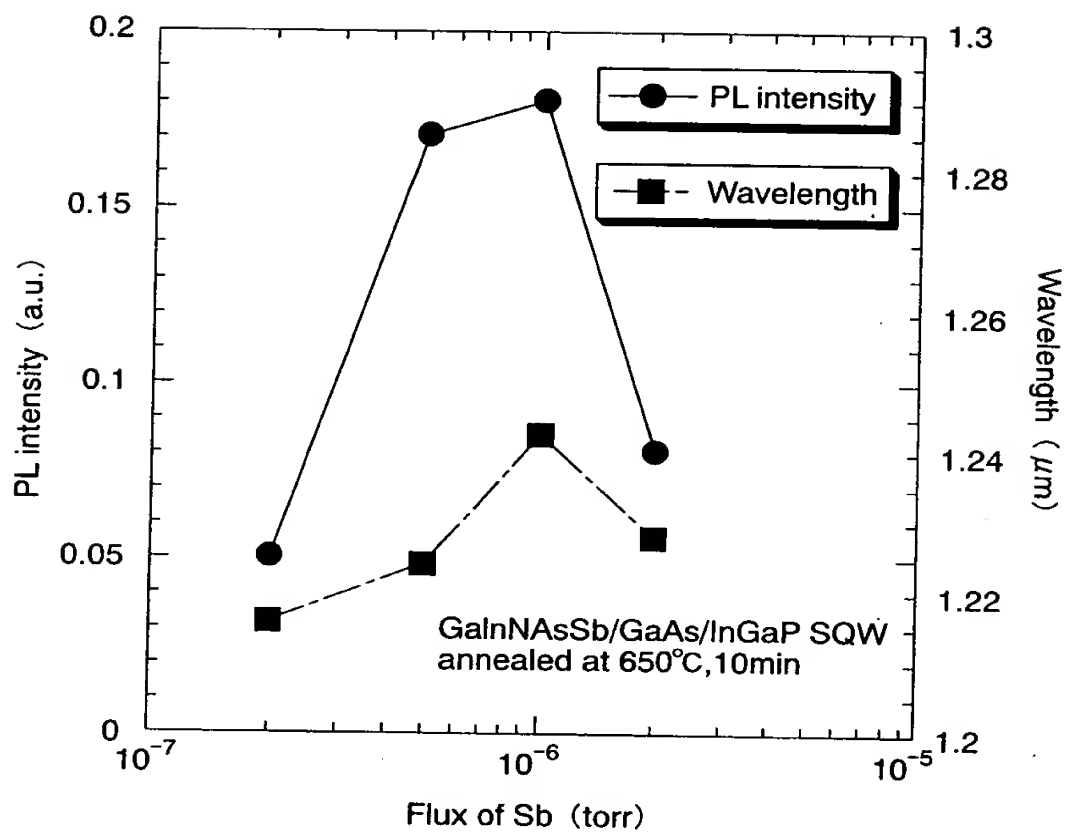


FIG. 8A

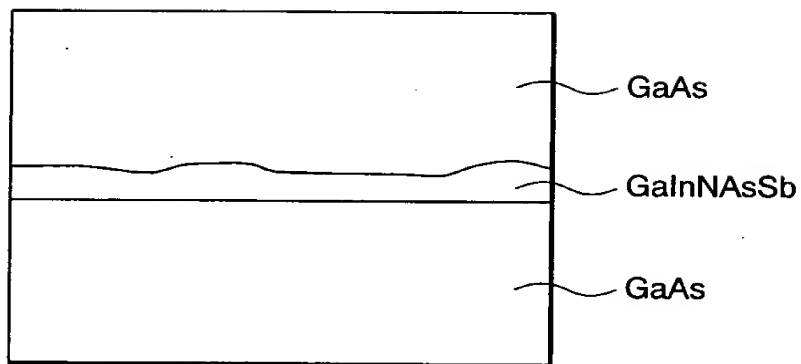
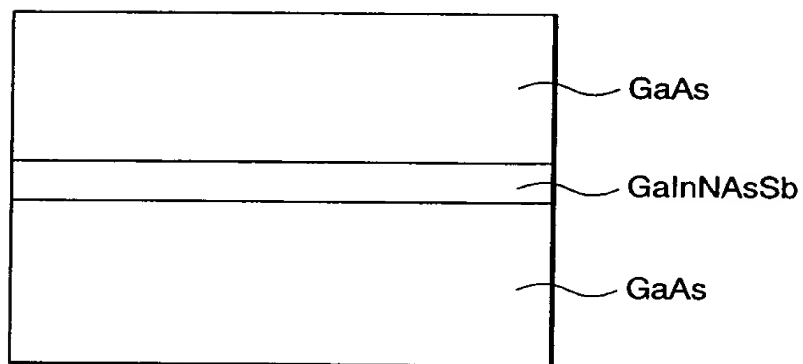
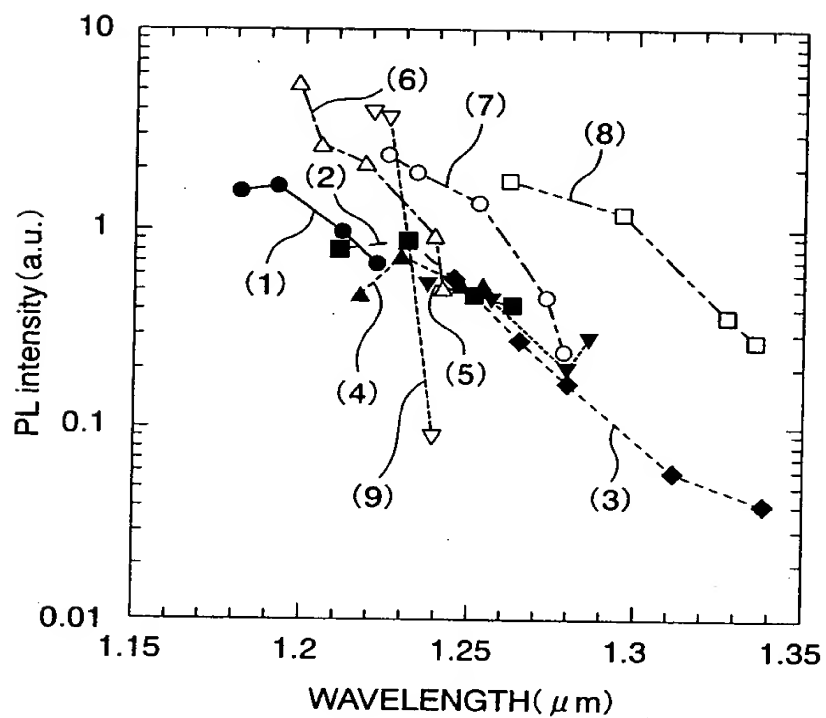


FIG. 8B

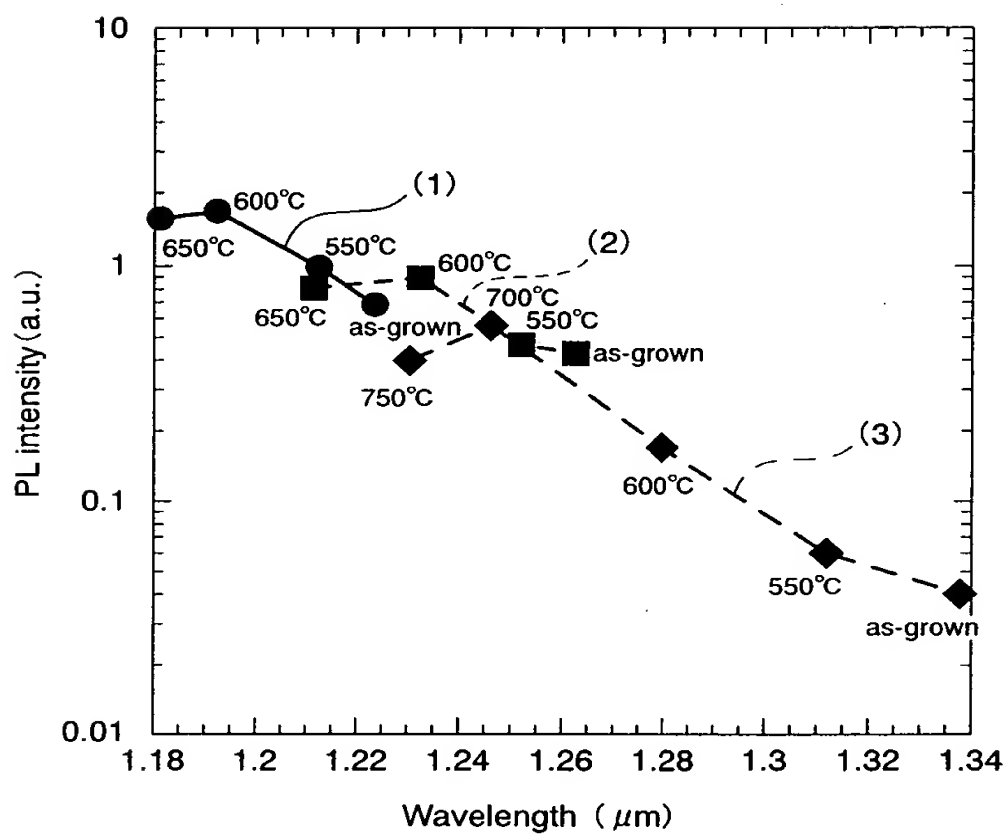






- |     |   |                               |
|-----|---|-------------------------------|
| (1) | ● | In37%N=0.05ccm, GaAs barrier  |
| (2) | ■ | In37%N=0.10ccm, GaAs barrier  |
| (3) | ◆ | In37%N=0.15ccm, GaAs barrier  |
| (4) | ▲ | In39%N=0.05ccm, GaAs barrier  |
| (5) | ▼ | In39%N=0.10ccm, GaAs barrier  |
| (6) | △ | In37%N=0.05ccm, GaNAs barrier |
| (7) | ○ | In37%N=0.10ccm, GaNAs barrier |
| (8) | □ | In37%N=0.15ccm, GaNAs barrier |
| (9) | ▽ | In39%N=0.05ccm, GaNAs barrier |

# FIG. 10



- (1) —●— In37%, N=0.35%, GaAs barrier
- (2) —■— In37%, N=0.63%, GaAs barrier
- (3) —◆— In37%, N=0.90%, GaAs barrier

FIG. 11

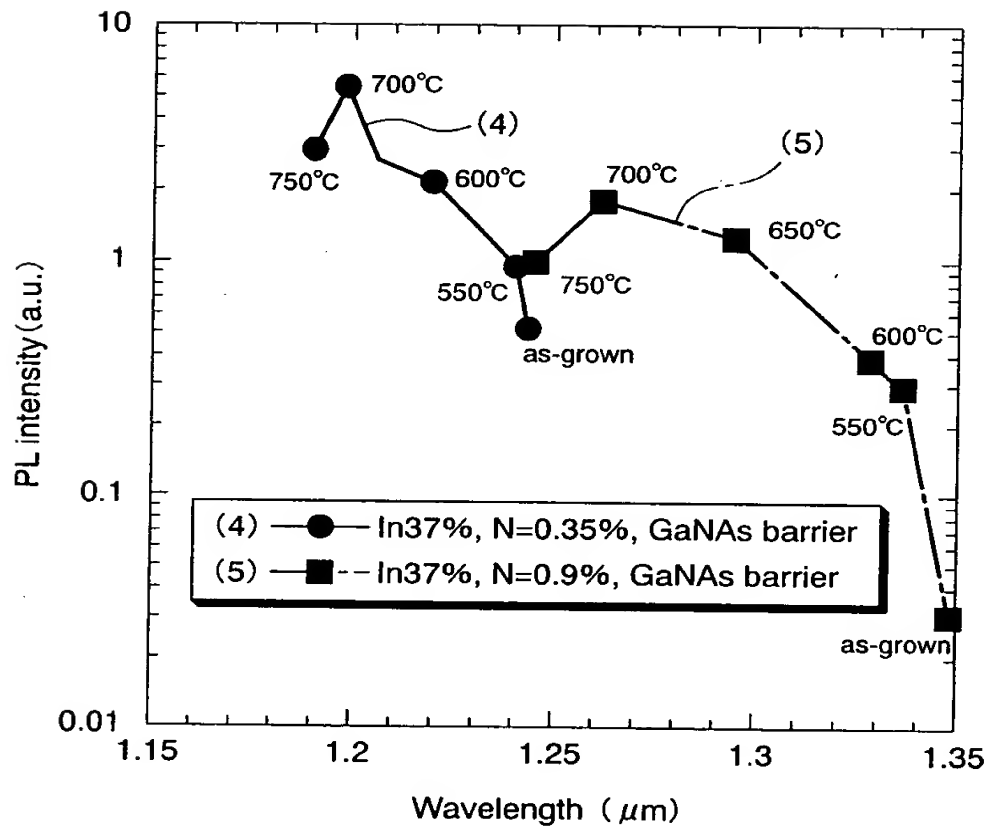
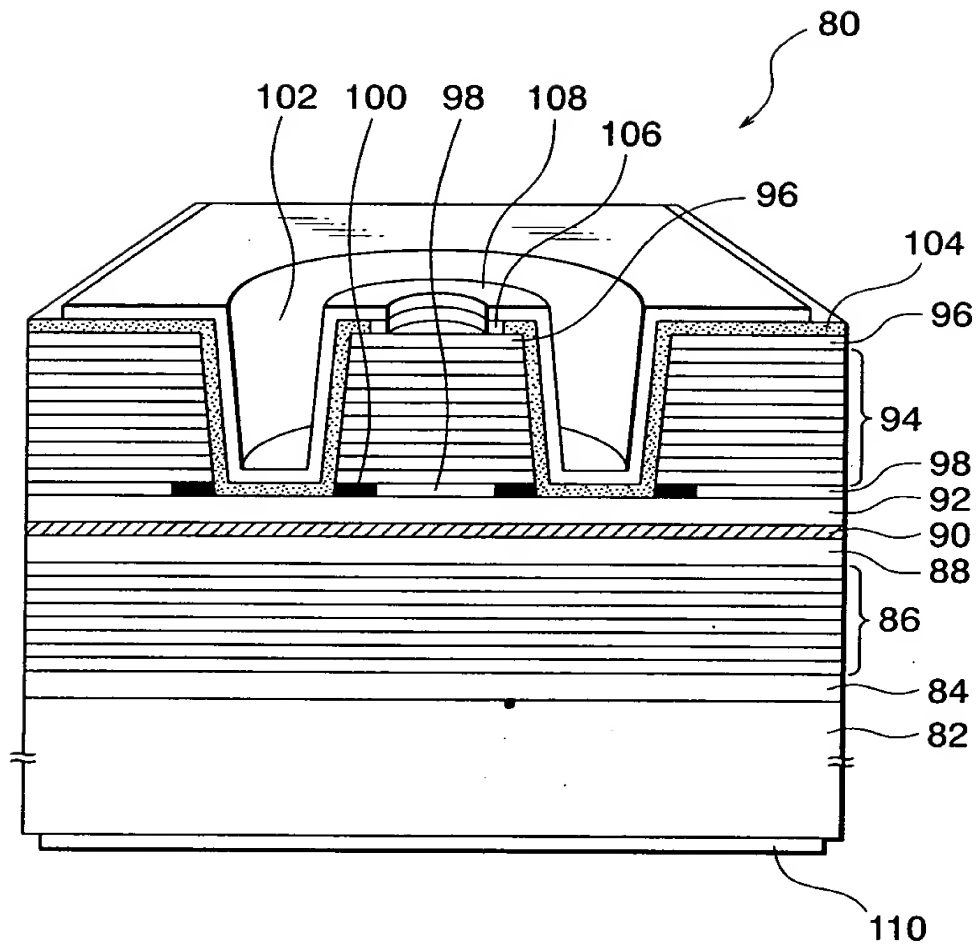


FIG. 12

FIG. 12



# FIG. 13

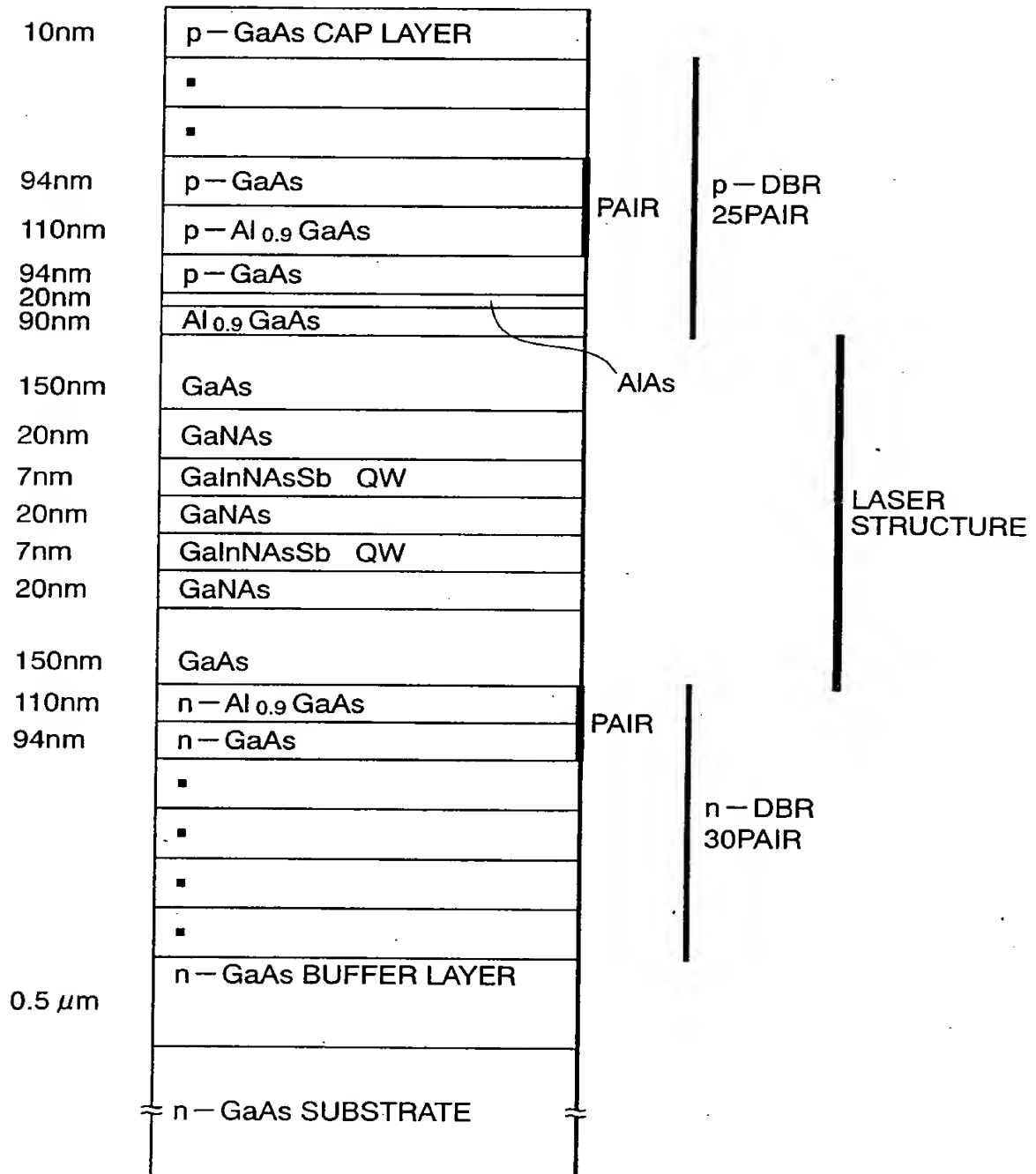


FIG. 13